

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF  
COMMERCE  
PATENT AND  
TRADEMARK OFFICEATTY. DOCKET NO.  
003388.P001CSERIAL NO.  
09/511,645

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT  
Paul Carl KocherFILING DATE  
2/22/2000

GROUP 2131

Not yet assigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AD		4 8 8 1 2 6 4	11/14/1989	Merkle	380	25	7/30/1987
AD		5 2 3 1 6 6 6	7/27/1993	Matyas	380	25	4/20/1992
AD		5 4 3 4 9 1 9	7/18/1995	Chaum	380	30	1/11/1994
AD		5 4 2 0 9 2 7	5/30/1995	Micali	380	23	2/1/1994
AD		R E 3 4 9 5 4	5/30/1995	Haber, et al.	380	49	11/22/1993
AP		5 4 1 6 8 4 2	5/16/1995	Aziz	380	30	6/10/1994
AD		5 4 0 6 6 2 8	4/11/1995	Beller, et al.	380	21	8/2/1993
AD		5 3 8 0 0 4 7	1/10/1995	Molee, et al.	283	86	6/16/1993
AD		4 4 0 5 8 2 9	9/20/1983	Rivest, et al.	178	22.1	12/14/1977
AD		5 7 7 4 5 5 2	6/30/1998	Grimmer	380	25	12/13/1995
AD		5 7 8 1 6 2 9	7/14/1998	Haber, et al.	380	23	2/21/1997

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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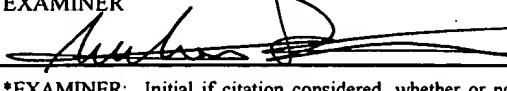
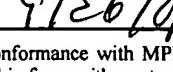


DATE CONSIDERED

9/26/09

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APR 28 2000  
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<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 003388.P001C		SERIAL NO. 09/511,645	
				APPLICANT Paul Carl Kocher		FILING DATE 2/22/2000		GROUP 2131 -Not yet assigned	
<b>U.S. PATENT DOCUMENTS</b>									
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AD		5 7 4 8 7 3 8	5/5/1998	Bisbee, et al.		380	25	9/15/1995	
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AS		5 7 8 7 1 7 5	7/28/1998	Carter		380	25	10/23/1995	
		5 2 2 4 1 6 3	6/29/1993	Gasser, et al.		380	39	9/28/1990	
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>									
<b>EXAMINER</b> 				<b>DATE CONSIDERED</b> 					
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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				APPLICANT Paul Carl Kocher			
				FILING DATE 2/22/2000	GROUP 2131 <i>Not yet assigned</i>		
U.S. PATENT DOCUMENTS							
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AD		5 6 9 9 4 3 1	12/16/1997	Van Oorschot, et al.	380	30	11/13/1995
AD		5 6 6 6 4 1 4	9/9/1997	Micali	380	21	3/21/1996
AD		5 6 5 7 3 9 0	8/12/1997	Elgamal, et al.	380	49	8/25/1995
AD		4 8 7 9 7 4 7	11/7/1989	Leighton, et al.	380	23	3/21/1988
AD		5 5 1 5 2 6 9	3/25/1997	Micali	380	49	2/22/1996
AD		5 6 2 9 9 8 2	5/13/1997	Micali	380	30	8/20/1996
AD		5 0 1 6 2 7 4	5/11/1988	Micali, et al.	380	23	11/8/1988
AD		5 3 1 5 6 5 8	5/14/1995	Micali	380	30	4/19/1993
AD		5 3 5 1 3 0 2	9/27/1994	Leighton, et al.	380	30	5/26/1993
AD		4 9 4 4 0 0 9	7/24/1990	Micali, et al.	380	46	2/25/1988
AD		4 9 9 5 0 8 1	2/19/1991	Leighton, et al.	380	23	11/6/1989
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AD		9 7 1 6 9 0 5	5/9/1997	PCT	H04L	9/32	
AD		9 7 2 6 7 2 8	7/24/1997	PCT	H04L	—	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AD		Schneier, B., "Applied Cryptography, Second Edition," Published by John Wiley & Sons, Inc. 1996, Chapters 2, 5, 8 and 24.					
		Linn, J., Network Working Group, Request for Comments: 1421, "Privacy Enhancement for Internet Electronic Mail: Part 1: Message Encryption and Authentication Procedures," (Feb 1993) 30 pgs.					
		Kent, S., Network Working Group, Request for Comments: 1422, "Privacy Enhancement for Internet Electronic Mail: Part 2: Certificate-Based Key Management," (Feb 1993) 24 pgs.					
		Balenson, D., Network Working Group, Request for Comments: 1423, "Privacy Enhancement for Internet Electronic Mail: Part 3: Algorithms, Modes, and Identifiers," (Feb 1993) 11 pgs.					
		EXAMINER <i>Abu</i>			DATE CONSIDERED 9/26/01		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>			APPLICANT Paul Carl Kocher					
			FILING DATE 2/22/2000		GROUP 2131 Not yet assigned			
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS		
AD		5 2 7 6 7 3 7	1/1994 9/12/1995	Micali	380	30	4/20/1992	
AD		5 5 1 9 7 7 8	5/21/1996	Leighton, et al.	380	30	9/26/1994	
AD		5 4 3 2 8 5 2	7/11/1995	Leighton, et al.	380	30	8/29/1993	
AD		5 4 9 9 2 9 6	3/12/1996	Micali	380	23	8/22/1994	
AD		5 5 3 7 4 7 5	7/16/1996	Micali	380	30	2/1/1994	
AD		5 5 9 4 9 2 1	1/14/1997	Pettus	395	831	12/17/1993	
AD		5 6 6 4 1 8 4	9/2/1997	Ferguson, et al.	395	614	11/29/1995	
AD		5 2 0 2 9 8 6	4/13/1993	Nickel	395	600	9/28/2089	
AD		5 4 1 6 8 4 2	5/16/1995	Aziz	380	30	6/10/1994	
AD		5 7 1 2 9 1 4	1/27/1998	Aucsmith, et al.	380	30	9/29/1995	
AD		5 5 8 8 0 6 0	12/24/1996	Aziz	380	30	6/10/1994	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
AD		†	Kaliski, B., Network Working Group, Request for Comments: 1424, "Privacy Enhancement for Internet Electronic Mail: Part 4: Key Certificate and Related Services," (Feb 1993) 7 pgs.					
		†	PCT International Preliminary Examining Authority Written Opinion dated 18 Dec 1998.					
AD		†	Silvio Micali, "Enhanced Certificate Revocation System," Written report prepared for the November 2, 1995, Federal PKI meeting, pgs. 1-4, 7-10					
		†	Santosh Chokhani, "Toward a National Public Key Infrastructure," IEEE Communications Magazine, vol. 32, no. 9, 1 September 1994, pgs. 70-74					
		†	Silvio Micali, "Alternative Approaches to Certificate Revocation," Written report prepared for the September 5-6, 1996 X9FI working group, 28 pages					
EXAMINER <i>[Signature]</i>			DATE CONSIDERED 9/26/07					
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

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GROUP 2700

Form PTO-1449 (REV. 8-83)				U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 003388.P001C	SERIAL NO. 09/511,645	
				APPLICANT Paul Carl Kocher		FILING DATE 2/22/2000		GROUP 2131 Not yet assigned
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				U.S. PATENT DOCUMENTS				
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AD		5 6 5 8 8 7 7	9/16/1997	Aziz		380	30	12/2/1994
AD		5 6 5 9 6 1 6	8/19/1997	Sudia		380	23	7/16/1996
AD		5 6 3 8 4 4 6	6/10/1997	Rubin		380	25	8/28/1995
AD		5 6 5 6 4 1 6	8/9/1997	Micali		380	23	11/16/1995
AD		5 4 2 0 9 2 7	5/30/1995	Micali		380	23	2/1/1994
AD		5 6 0 4 8 0 4	2/18/1997	Micali		380	25	4/23/1996
AD		5 6 8 7 2 3 5	11/11/1997	Perlman, et al.		380	25	10/26/1995
AD		5 2 6 1 0 0 2	11/9/1993	Perlman, et al.		380	30	3/13/1992
AD		4 8 6 8 8 7 7	8/19/1989	Fischer		380	25	2/12/1988
AD		5 4 3 2 8 5 2	7/11/1995	Leighton, et al.		380	30	9/29/1993
AD		4 3 0 9 5 6 9	1/5/1982	Merkle		178	22.08	9/5/1979
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
AD		✓	Ralph C. Merkle, "Secrecy, Authentication and Public Key Systems," UMI Research Press, 1982, Chapter 9					
AD		✓	Merkle, Ralph C., "Secrecy Authentication and Public Key Systems," A Dissertation submitted to the Dept. of Electrical Engineering and the Committee of Graduate Studies, Stanford Univ., 6/79					
EXAMINER <i>Ad</i>				DATE CONSIDERED 9/26/01				
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>								

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APR 28 2010  
U.S. PATENT AND TRADEMARK OFFICE  
GROUP 2700

List of Patents and Publications Statement  
(Use several sheets if necessary)

APR 27 2001 C8

Applicant: Paul Carl Kocher

Filing Date: 2/22/2000

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS			
Examiner Initials	Document No.		Class	Sub-Class	Filing date if appropriate
Per C Per C	AA	5,136,647	Haber, et al.	8/1992	380 49 8/2/90
	AB				
	AC				
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## FOREIGN PATENT DOCUMENTS

No.		Document No.	Date	Country	Class	Sub-Class	Trans-lation
	AQ						
	AR						
	AS						
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AV	Moni Naor and Kobbi Nissim, "Certificate Revocation and Certificate Update", Dept. of Applied Mathematics and Computer Science, Weizmann Institute of Science, Rehovot 76100 Israel, 12 Pages.
AD	AW	William Aiello, Sachin Lodha, Rafail Ostrovsky, "Fast Digital Identity Revocation (Extended Abstract)", Pages 137-152.
AD	AX	Dave Bayer, Stewart Haber, W Scott Stornetta, "Improving the Efficiency and Reliability of Digital Time-Stamping", Dated March 1992, Pages 329-334.
AD	AY	Mihir Bellare, Oded Goldreich, Shafi Goldwasser, "Incremental Cryptography and Application to Virus Protection", STOC '95, Las Vegas, Nevada, U.S.A 1995 ACM 0-89791-718-9/95/0005, Pages 45-56
AD	AZ	M. Blum, W. Evans, P. Gemmell, S. Kannan, M. Naor, Checking the Correctness of Memories, Algorithmica (1994) 12: 225-244.

Examiner 

Date Considered

9/26/01

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Form PTO-1449 (Modified)

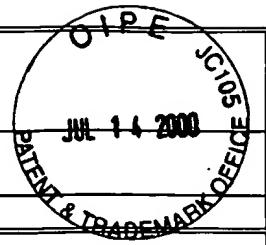
Priority Docket No.:  
003388.P001C

Serial No. 6/511,645

List of Patents and Publications Statement  
(Use several sheets if necessary)

Applicant: Paul Carl Kocher

Filing Date: 2/22/00



Docket Person

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
Examiner Initials	Document No.			Class	Sub-Class	Filing date if appropriate
	AA					
AD	AB 5,475,763	Kaufman et al. 12/1995	380	30	2/28/1994	
AD	AC 5,768,526	Fawcett 6/1998	395	200.59	3/8/1996	
AD	AD 5,625,693	Rohatgi et al. 4/1997	380	23	7/7/1995	
AD	AE 5,754,659	Sprung et al. 5/1998	380	030	12/22/1995	
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## FOREIGN PATENT DOCUMENTS

No.		Document No.	Date	Country	Class	Sub-Class	Trans-lation
	AQ						
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AV	
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9/26/01

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Form PTO-1449 (Modified)		Att'y Docket No.: 003388.P001C <b>O I P E</b>	Serial No.: 0, 11,645 #6			
List of Patents and Publications Statement (Use several sheets if necessary)		Applicant: Paul Carl Kocher Filing Date: 2/22/00				
REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
Examiner	Document No.		Class	Sub-Class	Filing date if appropriate	
AD	AA 6,097,811	Micali			10/11/1996	
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI				JAN 18 2002	
	AJ					
	AK					
	AL				TECHNOLOGY	
	AM					
	AN					
	AO					
	AP					
FOREIGN PATENT DOCUMENTS						
No.	Document No.	Date	Country	Class	Sub-Class	Trans-lation
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OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)						
AV						
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Examiner <i>Truth</i>	Date Considered <i>3/20/02</i>					
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Form PTO-1449 (Modified)	Docket No.: 003388.P001C	Serial No.: 11,645
List of Patents and Publications Statement (Use several sheets if necessary)		Applicant: Paul Carl Kocher
		Filing Date: 2/22/00

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
Examiner Initials		Document No.		Class	Sub-Class	Filing date if appropriate
IP	AA	5,717,758	Micali			12/9/1996
	AB					
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#### FOREIGN PATENT DOCUMENTS

No.		Document No.	Date	Country	Class	Sub-Class	Trans-lation
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#### OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

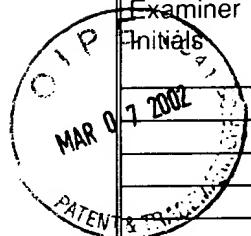
AD	AV	SPX Guide – A Prototype Public Key Authentication Service, Kannan Alagappan, Joseph Tardo, Digital Equipment Corporation – Draft; May, 1991 (28 pages)
AD	AW	SPX: Global Authentication Using Public Key Certificates, Joseph J. Tardo, Kannan Alagappan, Digital Equipment Corporation (13 pages)
AD	AX	DASS, Distributed Authentication Security Service, Network Working Group, Internet Draft, Charles Kaufman, Digital Equipment Corporation, 12/10/92 (101 pages)
AD	AY	RFC2560 – X.509 Internet Public Key Infrastructure Online Certi; Internet RFC/STD/FYI/BCP Archives; M. Myers, VeriSign; R. Ankney, CertCo; A. Malpani, ValiCert; S. Galperin, My CFO; C. Adams, Entrust Technologies; dated June 1999 (15 pages)
AD	AZ	The Digital Distributed System Security Architecture, Morrie Gasser, Andy Goldstein, Charlie Kaufman, Butler Lampson, Digital Equipment Corp., Reprint from Proceedings of 1989 National Computer Security Conference (13 pages)

Examiner / *[Signature]* Date Considered

3/20/02

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List of Patents and Publications Statement (Use several sheets if necessary)		Applicant: Paul Carl Kocher
		Filing Date: 2/22/00



REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS			
Examiner Initials	Document No.		Class	Sub-Class	Filing date if appropriate
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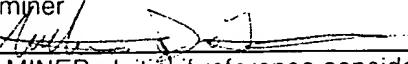
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#### FOREIGN PATENT DOCUMENTS

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	AQ						
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#### OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AD	AV	ISO/IEC 9594-8: 1998 Information Technology – Open Systems Interconnection – The Authentication Framework, International Standard (41 pages)
AD	AW	FIPS PUB 180-1, U.S. Department of Commerce, Technology Administration, National Institute of Standards and Technology (Supersedes FIPS PUB 180 – May 11, 1993), Secure Hash Standard, Category: Computer Security, April 17, 1995
AD	AX	FIPS PUB 186, Federal Information Processing Standards Publication 186, May 19, 1994, Digital Signature Standard (DSS)
AD	AY	FIPS PUB 190, Federal Information Processing Standards Publication 190, September 28, 1994, Announcing the Standard for Guideline for the Use of Advanced Authentication Technology Alternatives (50 pages)
	AZ	

Examiner  Date Considered

3/20/02

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